

# US01K1/LEDN35S

luminaire à encastrer • carré

*application* : bureaux, soins de santé, enseignement, horeca, vente au détail, loisirs

*caisson*: aluminium laqué avec protection de lampe fermée

*source lumineuse* : LED LP • 4000 K

*optique* : softlight • microprisme en polycarbonate avec film diffuseur • extensive

*classification UGR* : <=19

*flux lumineux*: 3550 lm

*flux lumineux spécifique* : 122 lm/W

*LLMF*: 96% @ 50khrs (Tq=25°C)



## Caractéristiques mécaniques

*dimensions* : 595 mm x 595 mm x 120 mm

*dimensions encastrées* : 580 mm x 580 mm

*modulation de plafond* : M600

*couleur*: RAL9210-blanc

*type* : luminaire individuel

## Luminance

*flux lumineux* : 3550 lm

*flux lumineux spécifique* : 122 lm/W

*luminance @ 65°* : 3000 cd/m<sup>2</sup>

*classification UGR*: <=19

*surface lumineuse* : 0.33 m<sup>2</sup>

## Equipement électrique

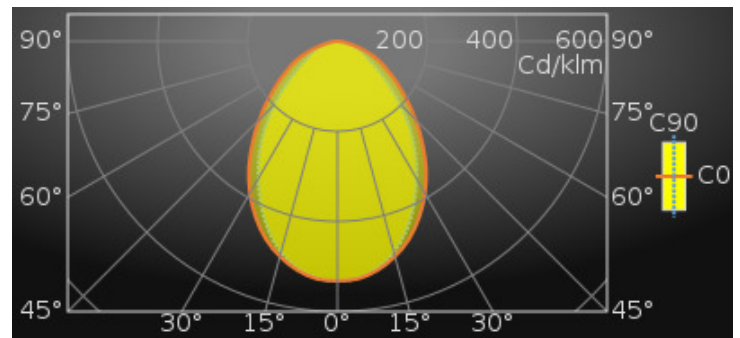
*driver*: non gradable

*consommation de courant* : 29 W

*tension* : 220-240V

*fréquence* : 50-60Hz AC

*sécurité photobiologique* : IEC/TR 62778 : RG 0



Average Luminances (Cd/m<sup>2</sup>) for 3550lm

Gamma	C0	C30	C45	C60	C90
45°	3723	3551	3265	3038	2997
50°	3350	3071	2720	2507	2491
55°	3033	2635	2320	2151	2050
60°	2777	2325	2090	1972	1730
65°	2576	2129	1976	1808	1654
70°	2161	1933	1908	1679	1556
75°	1705	1580	1672	1616	1456
80°	1172	1267	1316	1384	1297
85°	530	612	668	865	827

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## Classifications

CIE: 607 / 870 / 976 / 1000 / 1000

CIE FLUXCODE : 0.61 / 0.87 / 0.98 / 1.00 / 1.00

BZ: BZ3/1.25/BZ2/1.5/BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN\_U: Phi u = 1.00

DIN\_SU: Phi su = 0.64

UTE: 1.00 D + 0.00 T

## Intensités lumineuses en cd

Lifetime Data (Tq=25.0°C)

Time (khrs)	LLMF	LSF
10.0	0.99	0.98
20.0	0.98	0.96
30.0	0.97	0.94
40.0	0.96	0.92
50.0	0.96	0.90
60.0	0.95	0.88

Intensity for 3550lm

Gamma	C0	C45	C90
0°	1887.3	1887.3	1887.3
5°	1878.2	1876.9	1873.6
10°	1831.6	1828.9	1818.9
15°	1755.8	1745.5	1723.3
20°	1658.0	1628.0	1588.5
25°	1529.8	1484.9	1427.4
30°	1383.0	1322.2	1248.4
35°	1220.1	1147.2	1074.2
40°	1042.8	962.5	889.3
45°	870.4	763.2	700.7
50°	711.9	578.1	529.4
55°	575.1	439.9	388.7
60°	459.0	345.6	285.9
65°	360.0	276.1	231.0
70°	244.3	215.8	175.9
75°	145.9	143.1	124.6
80°	67.3	75.6	74.5
85°	15.3	19.3	23.8
90°	0.2	0.2	0.2

## classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 3550lm (S = 0.25H)

		Room Reflection Factors (%)													
		Ceiling	70	70	50	50	30	70	70	50	50	30			
		Walls	50	30	50	30	30	50	30	50	30	30	50	30	30
		Floor	20	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions		Viewed Crosswise					Viewed Endwise								
X = 2H	Y = 2H	15.9	17.6	16.2	17.8	18.1	14.0	15.7	14.4	16.0	16.2				
	Y = 3H	17.1	18.6	17.4	18.9	19.2	14.9	16.4	15.3	16.7	17.0				
	Y = 4H	17.5	18.9	17.8	19.2	19.5	15.4	16.8	15.7	17.1	17.4				
	Y = 6H	17.6	18.9	18.0	19.2	19.6	15.7	17.0	16.1	17.3	17.6				
	Y = 8H	17.6	18.9	18.0	19.2	19.6	15.8	17.0	16.2	17.4	17.7				
	Y = 12H	17.6	18.8	18.0	19.2	19.5	15.8	17.0	16.2	17.3	17.7				
X = 4H	Y = 2H	16.2	17.6	16.5	17.9	18.2	14.6	16.0	15.0	16.3	16.6				
	Y = 3H	17.5	18.8	17.9	19.1	19.4	15.8	17.0	16.2	17.3	17.7				
	Y = 4H	18.0	19.1	18.4	19.5	19.8	16.3	17.4	16.7	17.8	18.1				
	Y = 6H	18.3	19.2	18.7	19.6	20.0	16.8	17.7	17.2	18.1	18.5				
	Y = 8H	18.3	19.2	18.8	19.6	20.0	16.9	17.8	17.3	18.2	18.6				
	Y = 12H	18.3	19.1	18.8	19.5	20.0	16.9	17.7	17.4	18.2	18.6				
X = 8H	Y = 4H	18.2	19.0	18.6	19.4	19.9	16.6	17.5	17.1	17.9	18.3				
	Y = 6H	18.5	19.2	19.0	19.7	20.1	17.2	17.9	17.7	18.4	18.8				
	Y = 8H	18.6	19.2	19.1	19.7	20.2	17.4	18.0	17.9	18.5	19.0				
	Y = 12H	18.6	19.2	19.1	19.6	20.2	17.5	18.0	18.0	18.5	19.0				
	X = 12H	Y = 4H	18.1	19.0	18.6	19.4	19.8	16.6	17.4	17.1	17.9	18.3			
	Y = 6H	18.5	19.2	19.0	19.6	20.1	17.2	17.9	17.7	18.3	18.8				
	Y = 8H	18.6	19.2	19.1	19.7	20.2	17.4	18.0	17.9	18.5	19.0				
UGR Variations with Observer Position for Luminaire Spacings S															
S = 1.0H		+0.3		-0.3		+0.3		-0.3							
S = 1.5H		+0.4		-0.7		+0.5		-0.7							
S = 2.0H		+0.8		-1.0		+1.0		-1.0							

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## Colour properties

Correlated Colour Temperature : 4000

Ra: 80

## Rendement

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	30	30	30	0
Ceiling	80	80	80	50	50	50	30	30	30	0
Walls	50	30	10	50	30	10	50	30	10	0
Floor	20	20	20	20	20	20	20	20	20	0
RCR = 1	106	103	101	99	97	96	95	94	92	87
2	94	89	86	88	85	82	85	82	80	75
3	84	78	73	79	74	71	76	72	69	66
4	75	68	64	71	66	62	69	65	61	58
5	68	61	56	65	59	55	63	58	54	51
6	62	55	50	60	53	49	58	52	48	46
7	57	50	44	55	48	44	53	48	44	41
8	53	45	40	51	44	40	49	44	39	37
9	49	41	37	47	41	36	46	40	36	34
10	45	38	34	44	38	33	43	37	33	31

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	50	50	30	0
Ceiling	80	80	80	50	50	50	50	50	30	0
Walls	50	30	50	30	50	30	50	30	30	0
Floor	30	30	10	10	30	30	10	10	10	0
k = 0.60	55	47	53	46	53	46	51	45	45	39
0.80	67	58	63	56	64	56	61	55	54	48
1.00	75	66	70	63	71	64	67	62	61	55
1.25	85	76	77	71	80	73	75	70	69	64
1.50	91	83	82	77	85	79	80	75	74	69
2.00	99	91	88	83	92	86	85	81	80	75
2.50	104	98	92	88	97	92	89	86	85	80
3.00	109	103	96	92	101	96	93	90	88	84
4.00	113	108	98	95	104	100	95	93	91	87
5.00	117	113	100	98	107	104	97	95	94	90

## Accessoires

US01H010/600 cadre d'encastrement pour plafonds en plaques de plâtre, de bois ...

## Esquisse

